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(21)Application number : 08-221054 (71)Applicant : DAI ICHI KOGYO SEIYAKU CO LTD

(22)Date of filing : 22.08.1996 (72)Inventor : NISHIGUCHI HIROSHI
WATANABE TOSHIO
KITADA AKIRA

(54) WATER-SOLUBLE FILM

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject film suitable for a packaging material, etc., slight in change of physical properties to temperature/humidity, capable of suppressing greasiness followed by moisture absorption to the minimum and exceeding in low-temperature solubility, strength and handle, comprising a specific modified polyvinyl alcohol and prescribed fine powder.

SOLUTION: This water-soluble film comprises (A) a modified polyvinyl alcohol such as one obtained by subjecting a polyvinyl alcohol having 2.0-40.0mol% modification ratio by an anionic group such as carboxyl group to Michael addition with a vinyl compound such as acrylonitrile or acrylamide and partially or completely hydrolyzing the resulting substance and (B) preferably 2.0-20wt.% (based on the component A) of fine powder such as clay which has $\leq 150\mu\text{m}$ average particle diameter and is water-insoluble or slightly water-soluble. A water-soluble packing material is obtained from the water-soluble film.